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## Figure 1

[illegible]

```
graph TD; S1((PPV = 1  
CV = 1  
220)) -- "APV = 1" --> S2((PPV = 1  
CV = 0  
235)); S1 -- "APV = 0" --> S3((PPV = 0  
CV = 0  
225)); S2 -- "APV = 1" --> S1; S2 -- "APV = 0" --> S4((PPV = 0  
CV = 1  
240)); S3 -- "APV = 1" --> S2; S3 -- "APV = 0" --> S4; S4 -- "APV = 1" --> S2; S4 -- "APV = 0" --> S4; S1 -- "Make Prediction" --> P1[ ]; S2 -- "Make Prediction" --> P2[ ]; S4 -- "Make Prediction" --> P3[ ]; S2 -- "Insert Stalls" --> I1[ ]; S3 -- "Insert Stalls" --> I2[ ]; S4 -- "Insert Stalls" --> I3[ ];
```

The diagram shows four states in circles, each containing PPV, CV, and a number:

- Top: PPV = 1, CV = 1, 220
- Left: PPV = 1, CV = 0, 235
- Right: PPV = 0, CV = 0, 225
- Bottom: PPV = 0, CV = 1, 240

Transitions are labeled with APV values:

- Top to Left: APV = 1
- Top to Right: APV = 0
- Left to Top: APV = 1
- Left to Bottom: APV = 1
- Right to Top: APV = 0
- Right to Bottom: APV = 0
- Bottom to Left: APV = 1
- Bottom to Bottom: APV = 0

Actions are indicated by arrows pointing to labels:

- From Top: Make Prediction
- From Left: Insert Stalls
- From Right: Insert Stalls
- From Bottom: Make Prediction

## Figure 2

00000000000000000000000000000000

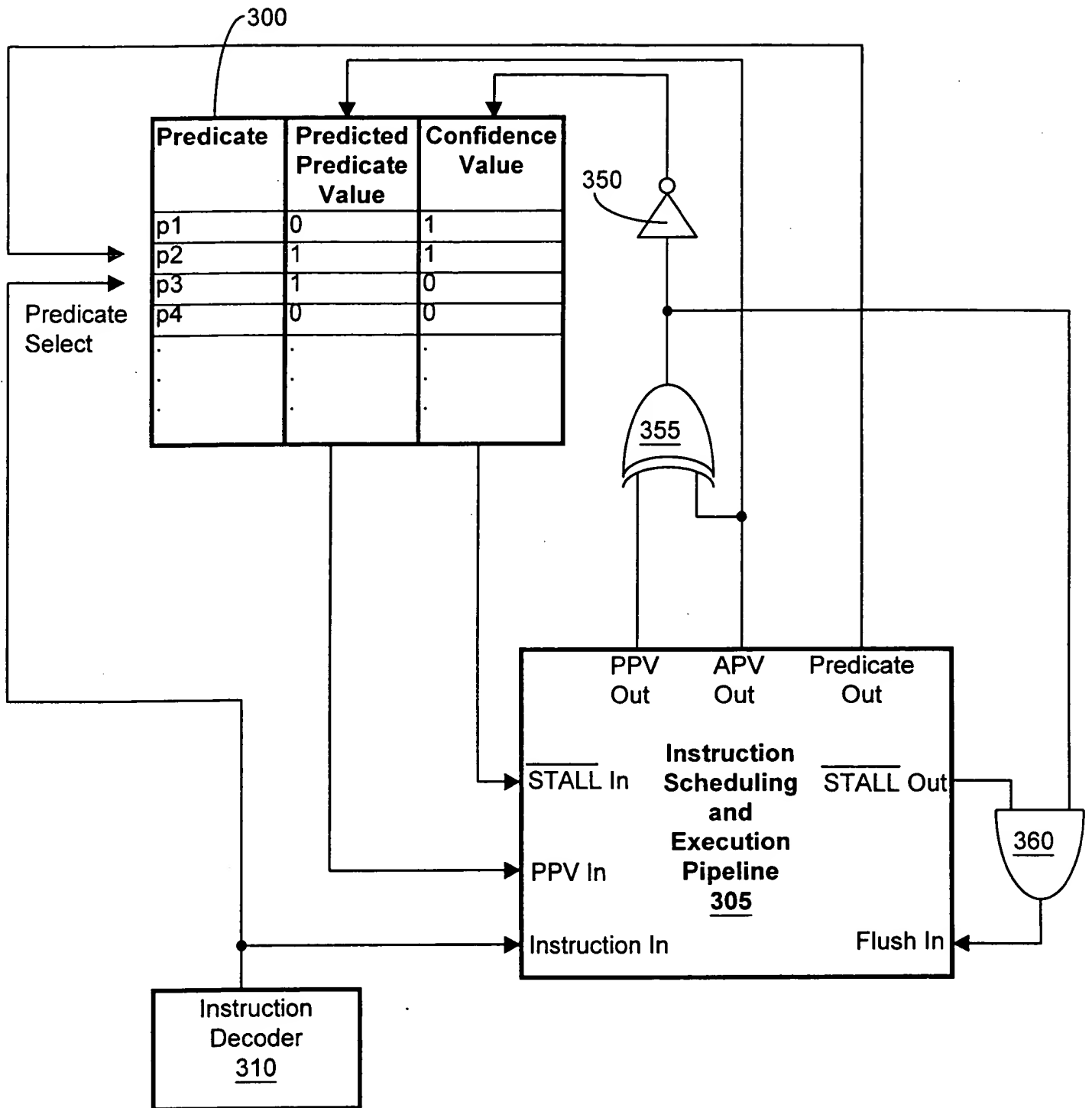


Figure 3A

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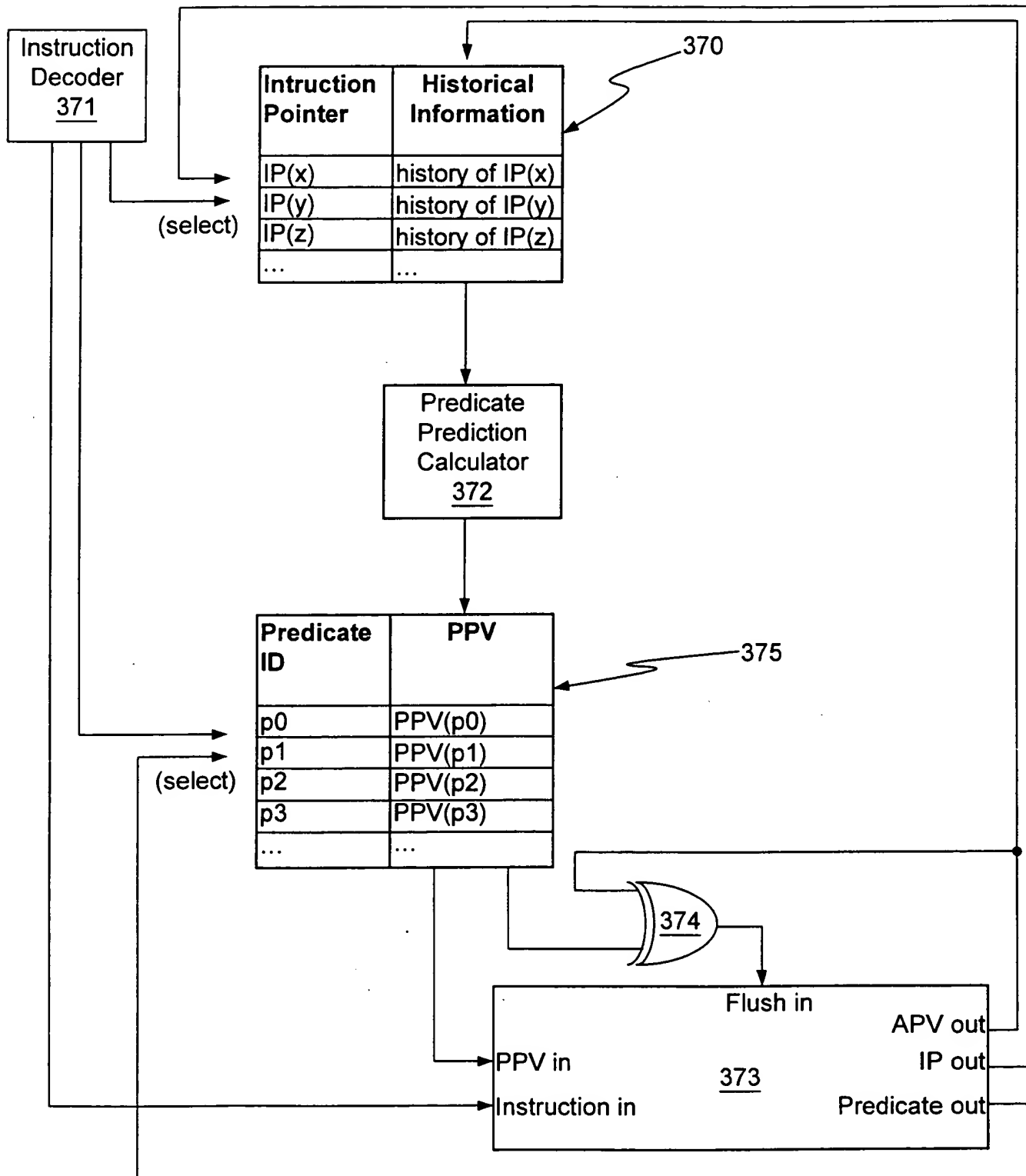
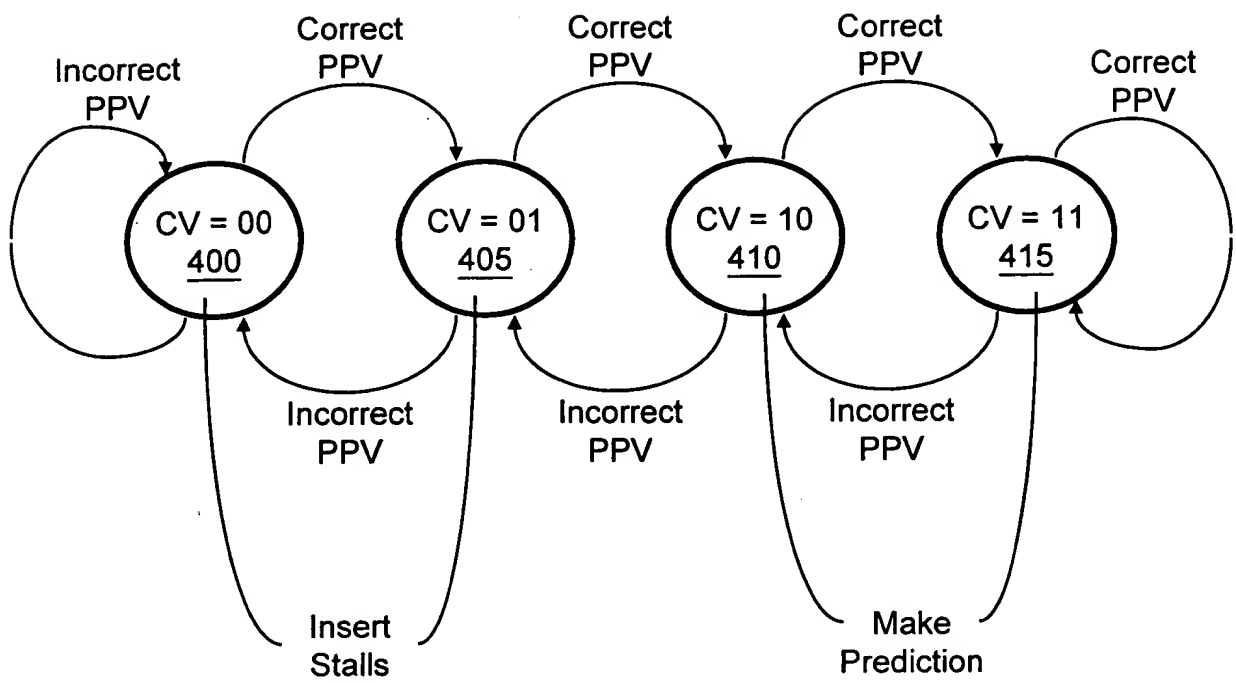
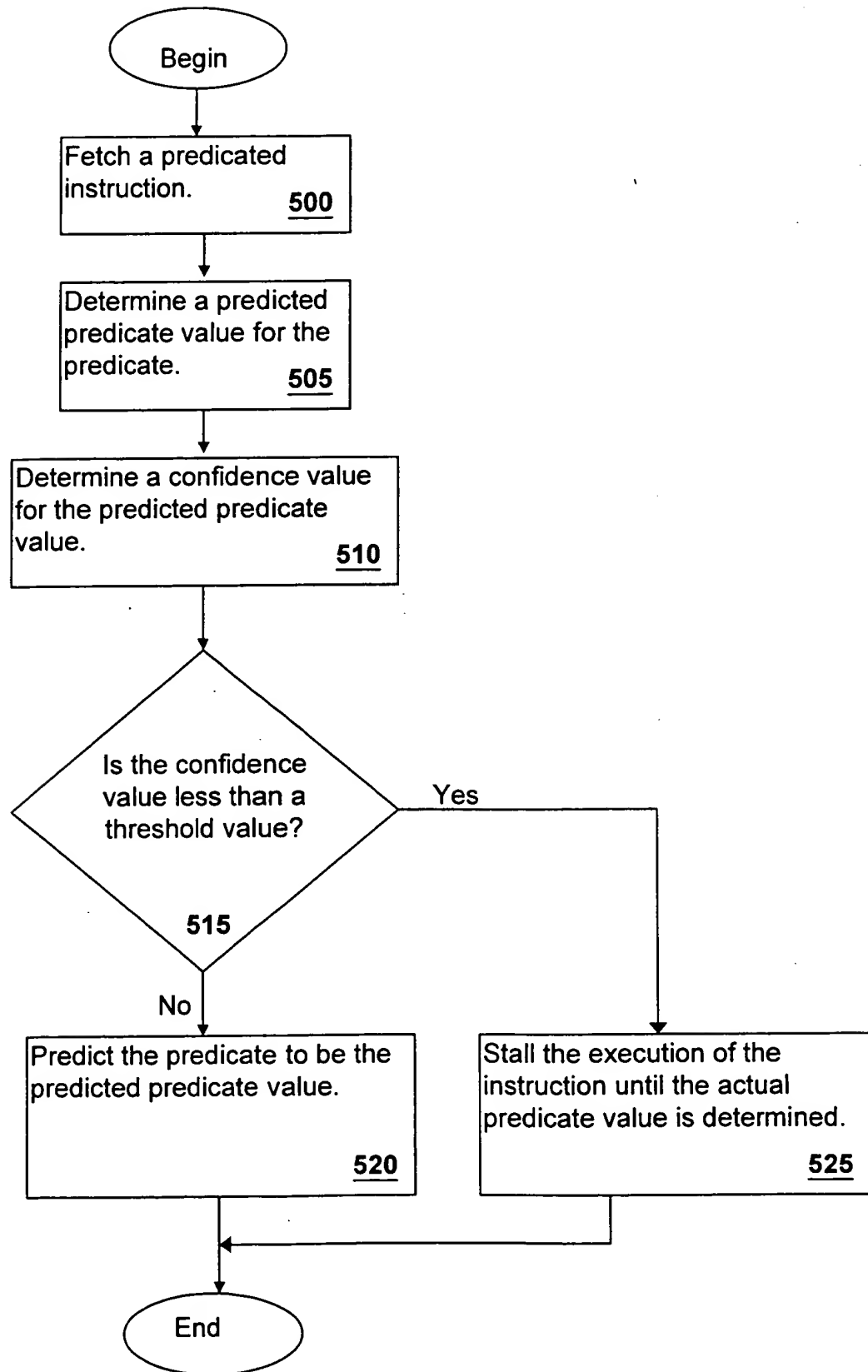


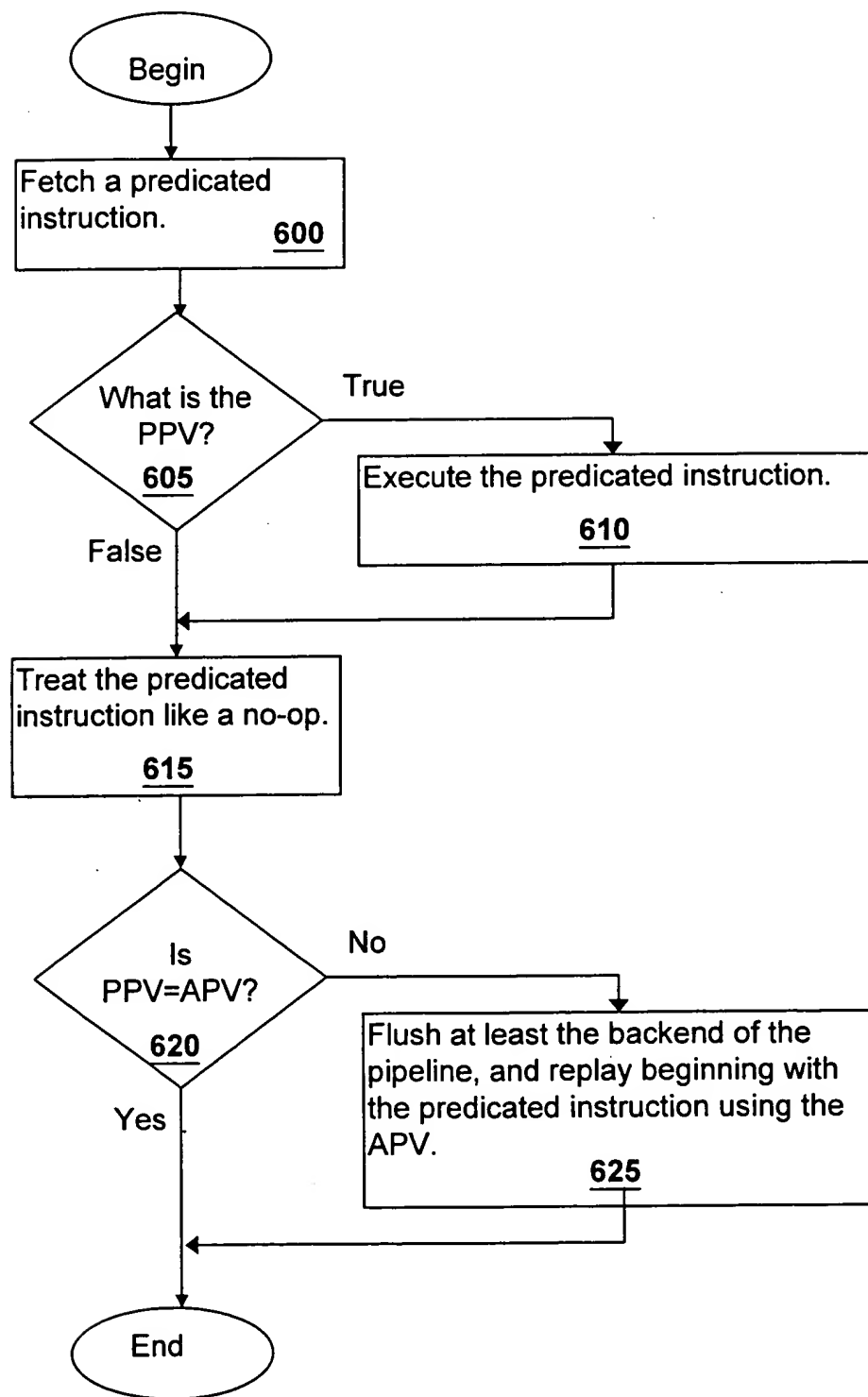
Figure 3B



**Figure 4**



**Figure 5**



### Figure 6